BRUHATH BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division

Schedule - B

BBMP/2020-21/OW/WORK_INDENT46014

NAME OF WORK: Improvements to Roads and Footpaths at Kempegowda Garden and Abbigere Village in ward No 12

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor T J NIJAGUNA GOWDA (NIJAGUNA LAND DEVELOPERS AND BUILDERS)	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means for roads, drains and similars works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	157.30	165.0	Rupees One Hundred Sixty Five Only
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	21.45	4000.0	Rupees Four Thousand Only
3	Providing and laying Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7 cum and fine aggregates @ 0.47 cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008. i) Upto 5 m height. etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	82.22	4200.0	Rupees Four Thousand Two Hundred Only

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4	Providing T.M.T steel reinforcement for R.C.C work including straightening cutting, bending, hooking, placing wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of ,materials, labor HOM of machinery completed as per specifications. -do- Fe 500 etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Tonne	3.70	65006.0	Rupees Sixty Five Thousand Six Only
5	Providing and fixing precast reinforced cement concrete covering slabs of 10cm thick made out of M25 with OPC cement @340kgs per cum , 20mm and down size graded granite metal corse aggregtes @ 0.70cm and fine aggregates @ 0.74 cum with super plasticizers, machine mixed , inclding providing and removing centering, shuttering strutting propping etc., for edges of slab with TMT steel (Fe500) cost & reinforcement charges inclding finishing as required with cost of reinforcement etc., complete as directed by engineer incharge of the work	Sqm	186.30	1100.0	Rupees One Thousand One Hundred Only
6	Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet / surface dressing and stacking of old serviceable materials by manual means including cost of all labour charges etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	284.20	30.0	Rupees Thirty Only
7	Excavation for roadwork in all type of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting with a lead of 1.00 km etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	546.70	60.0	Rupees Sixty Only

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8	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC,Carriage of mixed material to work site, spreading in uniform layers withmotor grader on prepared surface and compacting with vibratory powerroller to achieve the 98 % proctor density, etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	294.35	1250.0	Rupees One Thousand Two Hundred Fifty Only
9	Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	319.73	1250.0	Rupees One Thousand Two Hundred Fifty Only
10	Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	1421.00	29.68	Rupees Twenty Nine and Sixty Eight Paise Only
11	Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	1421.00	12.72	Rupees Twelve and Seventy Two Paise Only

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12	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	71.05	6007.0	Rupees Six Thousand Seven Only
13	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (30 mm to 45 mm) with6 % VG-30 Bitumen etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	42.63	7006.6	Rupees Seven Thousand Six and Sixty Paise Only
14	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	451.00	308.0	Rupees Three Hundred Eight Only

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Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	91.35	84.8	Rupees Eighty Four and Eighty Paise Only
Road Marking with Hot Applied Thermoplastic compound with Reflectrising Glass beads on Bituminous surface:- Providing and laying of Hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250gm/sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35,. The finished surface to be level, uniform and pre firm streaks and holes etc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	76.13	454.74	Rupees Four Hundred Fifty Four and Seventy Four Paise Only

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Signature of the Contractor

Executive Engineer,
Dasarahalli Division,